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PATENT
(5190-00107)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/060,104
Filed: January 29, 2002
Inventor(s):
David L. Panak and Mark A.
Doucet

Title: HYBRID ELECTRO-
OPTIC CABLE

§ Examiner: Unknown
§ Group/Art Unit: 2874
§ Atty. Dkt. No: 5190-00107
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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, DC 20231, on the date indicated below.

Jeffrey C. Hood

Name of Registered Representative

JCH

Signature

4/11/2002

Date

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

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Sir:

Applicant requests consideration of ☒ the references listed on the attached Form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A copy of each of the references listed on the Form PTO-1449 were previously submitted to or cited by the U.S. Patent and Trademark Office in U.S. Application Serial No. 09/106,826, to which the captioned application is seeking priority under 35 U.S.C. §120. Copies of new references (A1 - A12) are enclosed.

1. This Information Disclosure Statement is submitted:

- a. ☐ within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
☐ within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;

- ☒ before the mailing date of a first Office Action on the merits; or
☐ before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.
- b. ☐ after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: ☐ the certification of paragraph 2 below is provided, or ☐ a fee of \$180.00 is enclosed.
- c. ☐ after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.
2. It is hereby certified:
- ☐ that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.
3. ☐ Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:
4. For each non-English language reference listed on the attached Form PTO-1449:
- ☐ reference is made to an English language translation submitted herewith, and/or
- ☐ reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or
- ☐ reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or
- ☐ reference is made to the concise explanation contained in the specification of the present application at page(s) _____, and/or
- ☐ reference is made to the concise explanation set forth below:
5. ☐ Applicant also offers the following comments for the Examiner's consideration:
6. ☐ Also enclosed is a copy of a foreign search report citing these references.

7. ☐ The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.
8. ☐ Applicant(s) request that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

CHANGE OF ADDRESS

The Patent Office is respectfully requested to direct all future correspondence for this case to the below-referenced address.

If any required fees are missing, the Commissioner is authorized to charge said fees to Conley, Rose & Tayon, P.C. Deposit Account No. 03-2769/5190-00107/JCH.

Respectfully submitted,



Jeffrey C. Hood
Reg. No. 35,198
Attorney for Applicant(s)

CONLEY, ROSE & TAYON, P.C.
P. O. BOX 398
AUSTIN, TEXAS 78767-0398
(512) 476-1400

Date: 4/11/2002

Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)

ATTY. DOCKET NO: 5190-00107

SERIAL NO: 10/060,104

APPLICANT: Panak et al.

FILING DATE: January 29, 2002

GROUP: 2874

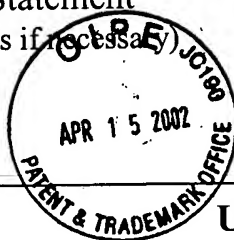
U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		5,121,243	6/9/92	Miyahira, et al.			12/28/90
		4,823,402	4/18/89	Brooks			4/21/86
		5,371,623	12/6/94	Eastmond, et al.			7/1/92
		5,343,287	8/30/94	Wilkins			4/5/93
		5,282,073	1/25/94	Defour, et al.			3/12/92
		5,297,144	3/22/94	Gilbert, et al.			1/22/91
		5,321,849	1/14/94	Lemson			5/22/91
		5,321,542	6/14/94	Freitas, et al.			11/8/93
		5,359,189	10/25/94	Savicki			3/29/93
		5,359,446	10/25/94	Johnson, et al.			9/10/92
		5,363,221	11/8/94	Sutton, et al.			10/16/92
		5,390,040	2/14/95	Mayeux			2/4/94
		4,533,247	8/6/85	Epworth			8/23/82
		4,627,106	12/2/86	Drake			9/17/84
		4,662,004	4/28/87	Fredriksen, et al.			12/17/84
		4,847,481	7/11/89	Altmann			12/28/87
		4,888,816	12/19/89	Sica, Jr.			1/5/89
		4,975,926	12/4/90	Knapp			3/30/89
		4,977,618	12/11/90	Allen			4/21/88
		4,982,445	1/1/91	Grant, et al.			11/21/88
		4,987,607	1/22/91	Gilbreath, et al.			9/9/88
		5,068,916	11/26/91	Harrison, et al.			10/29/90

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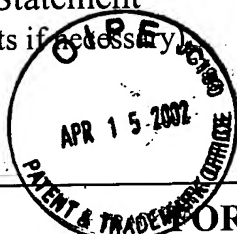
GROUP: 2874

U.S. PATENT DOCUMENTS

		5,087,982	2/11/92	Smothers			11/14/90
		5,090,795	2/25/92	O'Meara, et al.			11/10/89
		5,099,346	3/24/92	Lee, et al.			1/27/88
		5,191,461	3/2/93	Cranshaw, et al.			5/16/91
		5,198,918	3/30/93	Freitas, et al.			10/29/90
		5,229,593	7/20/93	Cato			10/8/91
		5,247,380	9/21/93	Lee, et al.			3/17/92
		5,060,304	10/22/91	Solinsky			
		5,218,467	06/08/93	Ross et al.			
		4,090,067	5/16/78	Bell, III et al.			
		5,493,436	2/20/96	Karasawa et al.			
		5,247,381	9/1993	Olmstead et al.			
		4,796,301	1/1989	Uzawa et al.			
		4,727,600	2/1988	Avakian			
		4,358,858	11/1982	Tamura et al.			
		6,239,888	5/29/01	Willebrand			
		5,455,672	10/3/95	Lamonde, et al.			
	A1	3,492,484	01/27/70	Michiaki Ito			
	A2	3,824,597	07/16/74	Berg			
	A3	5,545,955	08/13/96	Wood			
	A4	5,737,690	04/07/98	Gutman			
	A5	5,748,813	05/05/98	Cassidy			

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FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION. YES/NO
		1018326	1/1989	JP			
	A6	0631401A1	06/21/94	EPO			
	A7	0653852A1	11/15/94	EPO			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

		Marketing Brochure entitled "Atmospheric Infrared Transmission for Data/Voice", American Laser Systems, Inc., 2 pps.
		"VIPSLAN-10", JVC Marketing Information, 6 pps.
		"VIPSLAN-10 Streaks Off the Wire", LAN Magazine, September 1995, 2 pps.
		"Omnibeam 4000", The Solutions Group, Advanced Network Solutions, 1995, 2 pps.
		United States Statutory Invention Registration for "Covert Beam Projector", Reg. No. H299, Miller, Jr., July 7, 1987.
	✓	Lehmann, R., "Brueckenschlag," Nachrichten Elektronik UND Telematik, vol. 50, no. 3, March 1, 1996, pp. 26-27.
		International Search Report for PCT/US 97/04935 dated July 18, 1997.
		Sladek, "Vier-Strahl-Technik Macht Uebertragung Sicherer," Nachrichten Elektronik und Telematik, Vol. 50, No. 8, August 1996, pp. 32-33.
		Kube, "Renaissance Eines Alten Konzepts," Nachrichten Elektronik und Telematik, Vol. 49, No. 5, May 1995, pp. 15, 16, and 18.
		International Search Report, Application No. PCT/US99/14710, mailed March 8, 2000.
		AstroTerra Corp, "Additional Services," website: http://www.photon.com/matsueda/Ast.../Additional%20Services/addserv.htm , 1996, 2 pages.
		AstroTerra Corp, "Product Information, TerraLink 1000™ Series," website: http://www.photon.com/matsueda/Ast...a/Product%20Info/T_1000/t_10000.htm , 1996, 2 pages.
		AstroTerra Corp, "Product FAQ, Frequently Asked Questions," website: http://www.photon.com/matsueda/AstroTerra/FAQ/faq.htm , 1996, 5 pages.

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A8	International Search Report for PCT/US99/15973 dated July 15, 1999.
A9	Electronics Letters, Vol. 26, No. 18 dated August 30, 1990.
A10	Bernard J. Klein and John J. Degnan "Optical Antenna Gain - 1: Transmitting Antennas, Applied Optics, Vol. 13, No. 9, September 1974.
A11	John J. Degnan and Bernard J. Klein "Optical Antenna Gain - 2: Receiving antennas, Applied Optics, Vol. 13, No. 10, October 1974.
A12	N. J. Frigo et al. "Demonstrationn of Performance-Tiered Modulators in a WDM PON with a Single Shared Source," Proc. 21st Eur. Conf. On Opt. Comm (ECOC'95 - Brussels) pgs. 441-444.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Information Disclosure Statement--PTO 1449 (modified)
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